

**Subject:** An innovative way to provide more sunlight indoors.

**Leader:** Phd Eng. Pawel Wajss

**Abstract (max 150 words):**

The Heliosphere project is an innovative solution designed to bring more sunlight into indoor spaces. This cutting-edge device, powered entirely by solar energy, allows users to direct natural light precisely where it's needed, whether in homes or offices. By simply placing it in a sunny area—indoors or outdoors—and selecting the desired direction, Heliosphere brightens spaces effortlessly without relying on electricity.

The device has already gained significant recognition and demand across multiple U.S. states, including Arizona, California, New York, Massachusetts, Texas, Washington, Ohio, Michigan, Pennsylvania, Indiana, North Carolina, and Kansas. Its eco-friendly and energy-efficient design not only enhances living and working environments but also supports sustainable practices, making it a popular choice nationwide.

**Related funding:**

Project co-financed by the Ministry of Science and Higher Education under the Operational Program Intelligent Development 2014-2020 (Action 4.4)

**Related publications:**

[www.heliostat.pl/en](http://www.heliostat.pl/en)

**Related patents:**

Pat.243089 „Spherical heliostat”, invention, granted on April 2023

Ru.073437 „Spherical heliostat”, utility model, granted on February 2023